

# RESPONSE

## DETAILED ACTION

### ***Status of Action***

#### **1. CLAIMS.**

- i. Claims 1 to 10 are Currently Amended.
- ii. Claims 11 to 20 are New.

The above-mentioned changes are further explained below. The portions of claim that have been deleted from originally submitted claims are crossed out. The terms that have been added in originally submitted claims are underlined.

1. (Currently Amended). A UV absorbing ~~and free radical neutralizing composition~~ agent comprising consisting of; (i) ~~At least one divalent or polyvalent~~ a zinc zeolite, or (ii) a titanium metal zeolite., ~~and~~ (iii) ~~A cosmetically or pharmaceutically acceptable delivery system or a carrier base composition~~ , or (iii) a combination thereof.
2. (Currently Amended). A ~~composition~~ An agent according to claim 1, wherein ~~divalent or polyvalent metal~~ said agent zeolite is ~~selected from~~ zinc zeolite, titanium zeolite, or a combination thereof.
3. (Currently Amended). A ~~composition~~ An agent according to claim 1, wherein ~~divalent or polyvalent transition metal zeolite~~ is ~~made by an in-situ process from a metal derivative and an aluminosilicate zeolite composition~~ a carrier base is included.
4. (Currently Amended). A ~~composition~~ An agent according to claim 1, wherein said zeolite composition is ~~selected from a~~

~~group of aluminosilicates that can be either in hydrated or anhydrous forms.~~

5. (Currently Amended). ~~A composition~~ An agent according to claim 1, wherein ~~metal~~ said zeolite ~~composition~~ is a topical sunscreen ~~composition~~.
6. (Currently Amended). ~~A composition~~ An agent according to claim 1, wherein ~~metal~~ said zeolite ~~composition~~ is a topical UV absorber ~~composition~~ agent.
7. (Currently Amended). ~~A composition~~ An agent according to claim 1, wherein ~~metal~~ said zeolite ~~composition~~ is a topical Free radical neutralizing ~~composition~~ agent.
8. (Currently Amended). ~~A composition~~ An agent according to claim 4 3, wherein a ~~cosmetically acceptable delivery system or a carrier base is selected in the form of a lotion, cream, gel, spray, thin liquid, body splash, mask, serum, solid cosmetic stick, lip balm, shampoo, liquid soap, bar soap, bath oil, paste, salve, powder, collodion, impregnated patch, impregnated strip, skin surface implant, and diaper, and any other such cosmetically or pharmaceutically acceptable topical delivery forms.~~
9. (Currently Amended). ~~The compositions~~ An agent according to claim 4 3, wherein ~~the cosmetically or pharmaceutically acceptable delivery system carrier base~~ is traditional water and oil emulsions, suspensions, colloids, microemulsions, clear solutions, suspensions of nanoparticles, emulsions of nanoparticles, powders, or anhydrous compositions.

**10.** (Currently Amended). A composition An agent according to claim 4-3, wherein ~~cosmetically or pharmaceutically acceptable delivery system or carrier base optionally includes additional skin beneficial ingredients selected from skin cleansers, surfactants (cationic, anionic, non-ionic, amphoteric, and zwitterionic), skin and hair conditioning agents, vitamins, hormones, minerals, plant extracts, anti-inflammatory agents, collagen and elastin synthesis boosters, UVA/UVB sunscreens, concentrates of plant extracts, emollients, moisturizers, skin protectants, humectants, silicones, skin soothing ingredients, antimicrobial agents, antifungal agents, treatment of skin infections and lesions, blood microcirculation improvement, skin redness reduction benefits, additional moisture absorbents, analgesics, skin penetration enhancers, solubilizers, moisturizers, emollients, anesthetics, colorants, perfumes, preservatives, seeds, broken seed nut shells, silica, clays, beads, luffa particles, polyethylene balls, mica, pH adjusters, processing aids, and combinations thereof~~ is an emulsion.

**11.** (New). A composition according to claim 3, wherein carrier base includes additional UV absorbers selected from Kaempferia galanga extract, Benzophenone-3, Benzophenone-4, Ethylhexyl Methoxycinnamate, Homosalate, Ethylhexyl salicylate, Octocrylene, Menthyl anthranilate, Avobenzone, Lawson, Sulisobenzone, Trolamine salicylate, Lawson, Glyceryl aminobenzoate, Cinoxate, PABA, or combinations thereof.

**12.** (New). A composition according to claim 11, wherein said additional UV absorber is Benzophenone-3.

**13.(New).** A composition according to claim 11, wherein UV absorbancy of said additional UV absorber is synergistically increased by said agent in claim 3.

**14.(New).** A composition according to claim 13, wherein said agent in claim 3 is zinc zeolite.

**15.(New).** A composition according to claim 13, wherein said agent in claim 3 is titanium zeolite.

**16.(New).** A method of boosting topical UV protection of sunscreen agents, wherein said method comprises; mixing of (i) zinc zeolite, or (ii) titanium zeolite, or (iii) a combination thereof, with (iv) a suitable topical base, and (V) application of said mixture on skin in an amount sufficient to cause desired UV protection.

**17.(New).** A method of boosting topical UV protection of sunscreen agents according to claim 16, wherein said topical base is an emulsion.

**18.(New).** A method of boosting topical UV protection of sunscreen agents according to claim 16, wherein said sunscreen agent is Benzophenone-3.

**19.(New).** A method of boosting topical UV protection of sunscreen agents according to claim 16, wherein said method includes zinc zeolite.